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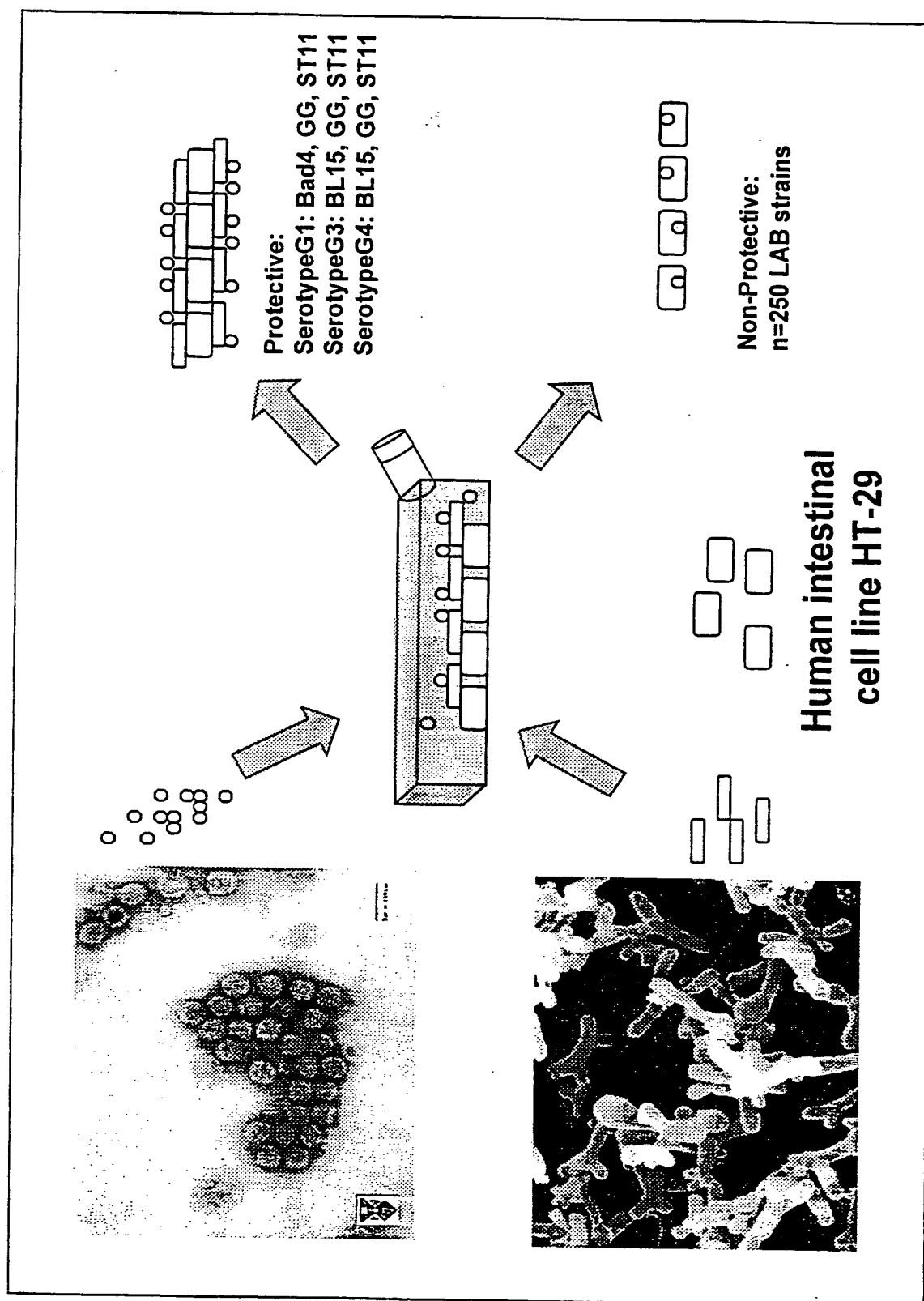
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

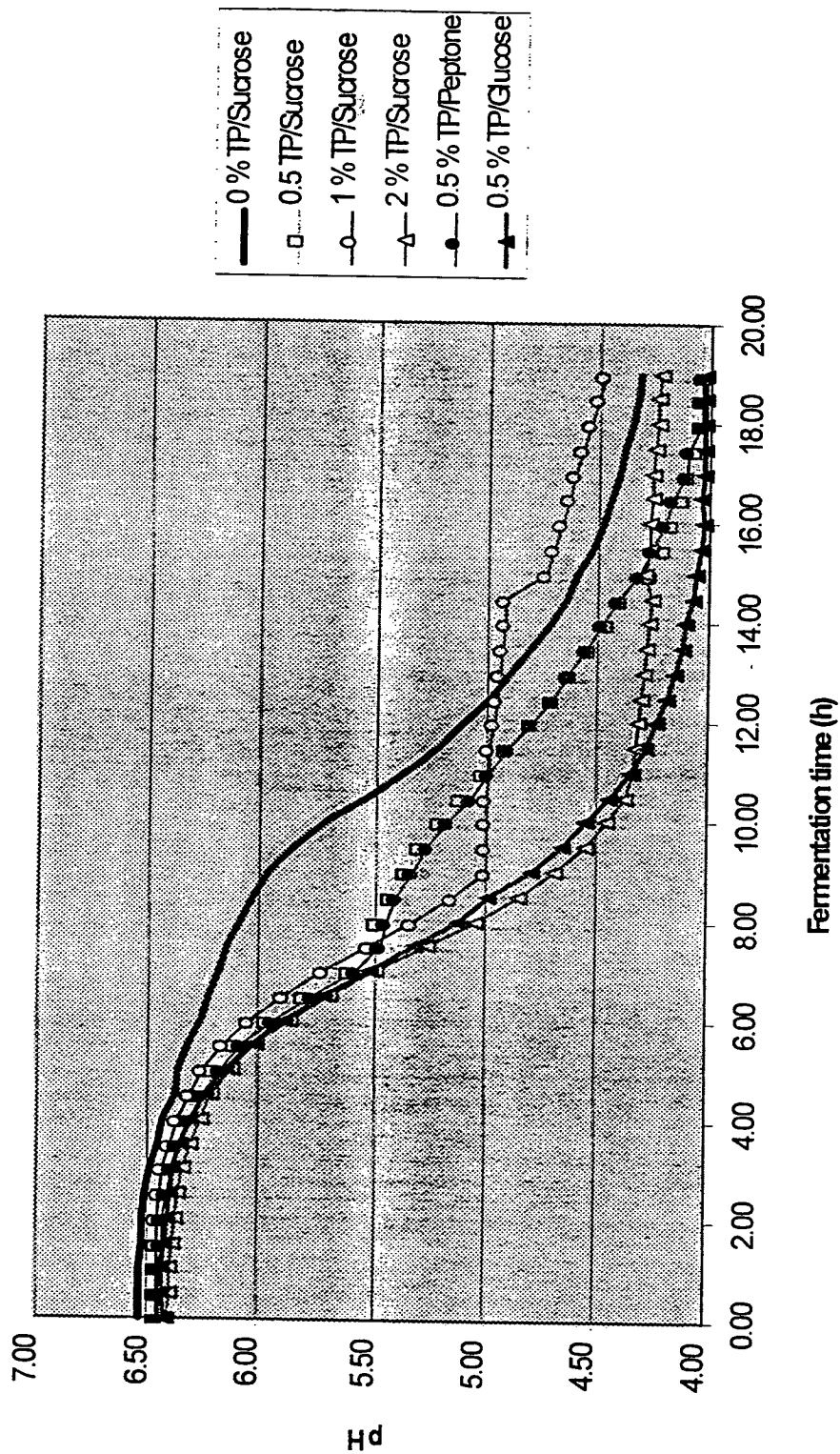
(51) International Patent Classification ⁷ : A61K 35/74, C12N 1/20, A23L 1/29, A23C 9/152 // (C12N 1/20, C12R 1:225)		A1	(11) International Publication Number: WO 00/53201
			(43) International Publication Date: 14 September 2000 (14.09.00)
(21) International Application Number: PCT/EP00/01797		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 2 March 2000 (02.03.00)			
(30) Priority Data: 99104924.8 11 March 1999 (11.03.99) EP			
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(75) Inventors/Applicants (for US only): RENIERO, Roberto [IT/CH]; 24, chemin Paudille, CH-1801 Le Mont-Pelérin (CH). BRUOSSOW, Harald [DE/CH]; Chemin de la Chaumény 13, CH-1814 La Tour de Peilz (CH). ROCHAT, Florence [CH/CH]; Quartier des Tilleuls 6, CH-1820 Montreux (CH). VON DER WEID, Thierry [CH/CH]; Rte de la Bordinette 10, CH-1094 Paudex (CH). BLUM-SPERISEN, Stéphanie [DE/CH]; Av. des Mousquines 13, CH-1005 Lausanne (CH).		Published With international search report. With an indication in relation to deposited biological material furnished under Rule 13bis separately from the description.	
(74) Agent: STRAUS, Alexander; Becker, Kurig, Straus, Bavarias- trasse 7, D-80336 München (DE).			
(54) Title: LACTIC ACID BACTERIA STRAINS CAPABLE OF PREVENTING DIARRHOEA			
(57) Abstract The present invention pertains to novel microorganisms of the family Lactobacillaceae, especially to microorganisms of the genus Lactobacillus, that are useful in preventing or treating diarrhoea. In particular, the present invention relates to the use of said micro-organisms for the preparation of an ingestible support and to a composition containing the same.			

Fig. 1



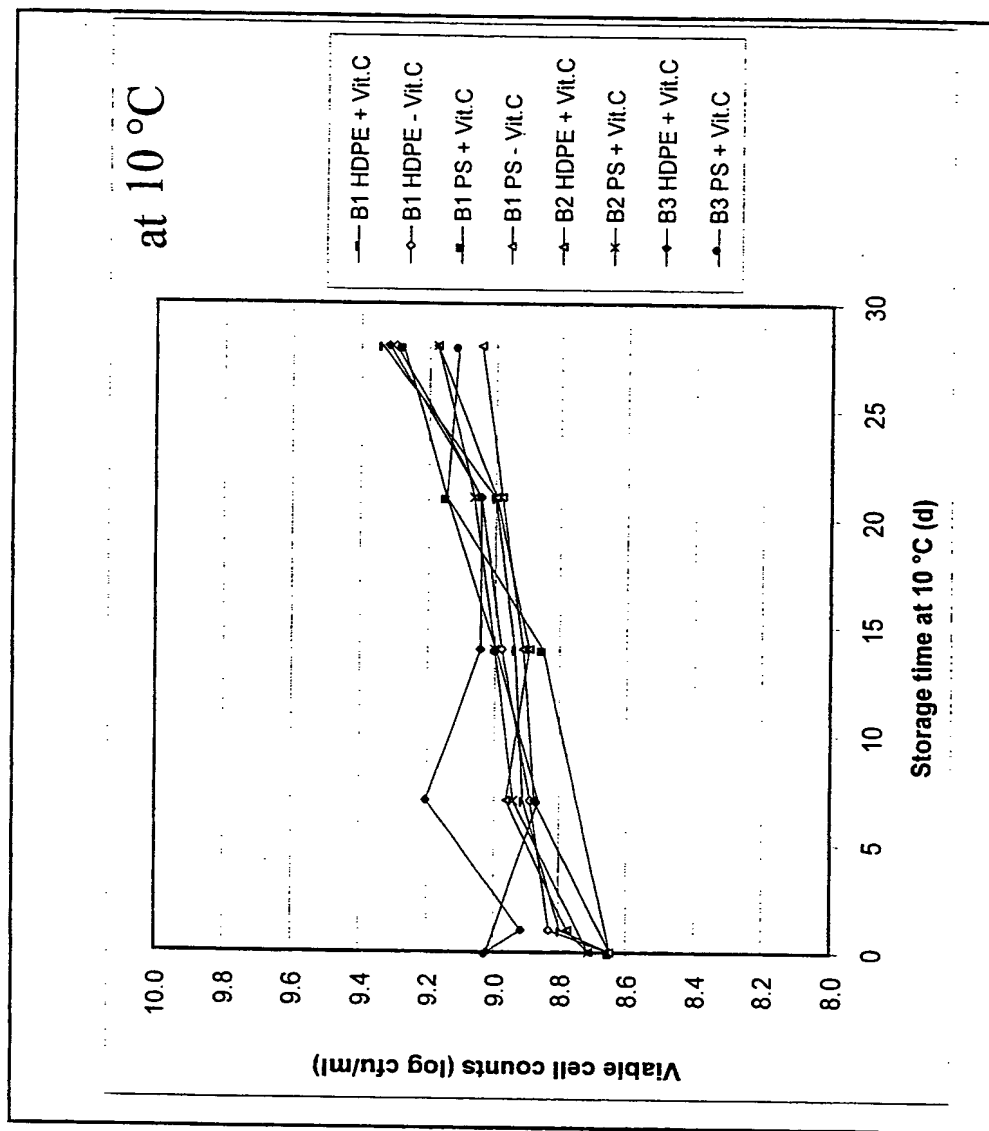
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Fig. 2

Acidification of *L. casei* ST11 in different growth media

Survival in cereal drink

Fig. 3



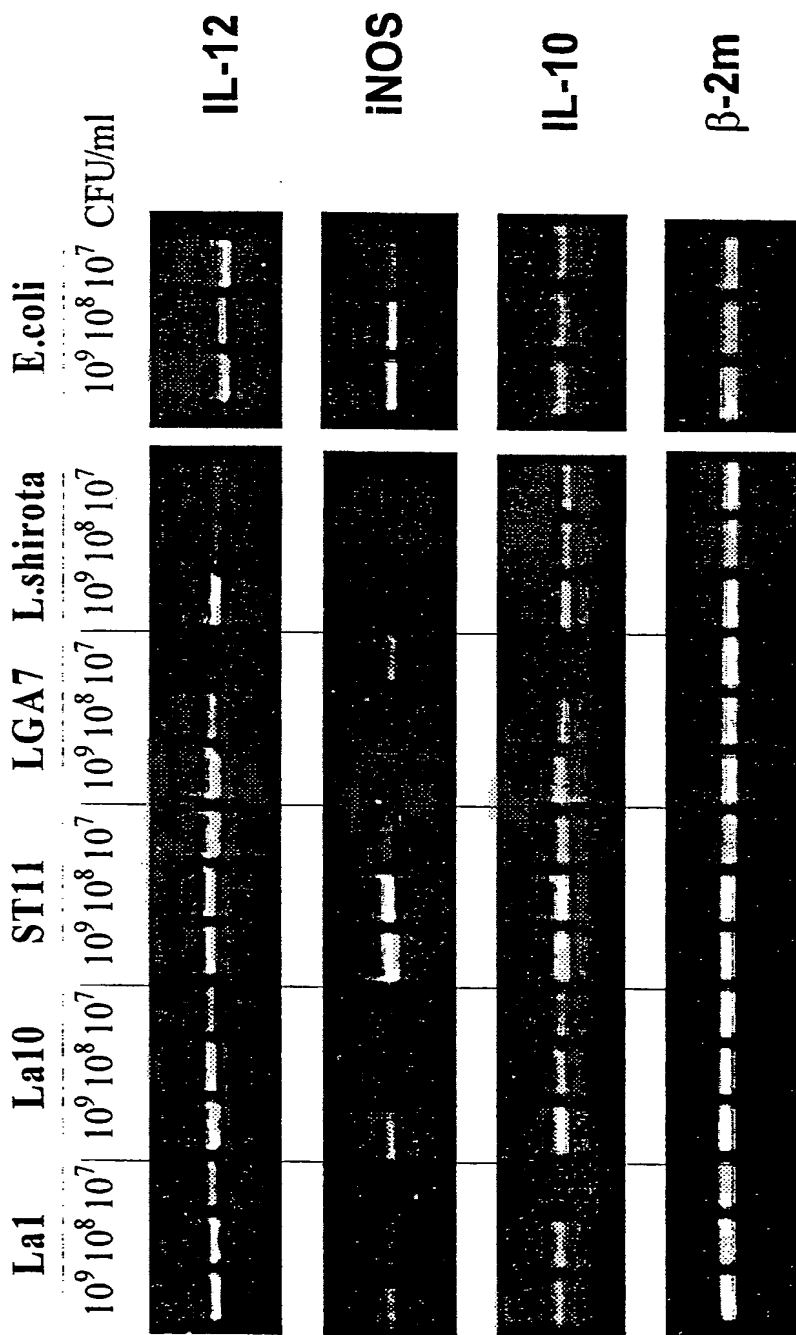
HDPE: High density poly ethylene

PS: polystyrene

Vit C: vitamin C

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Fig. 4 Induction of cytokine mRNA by LAB in mouse macrophages



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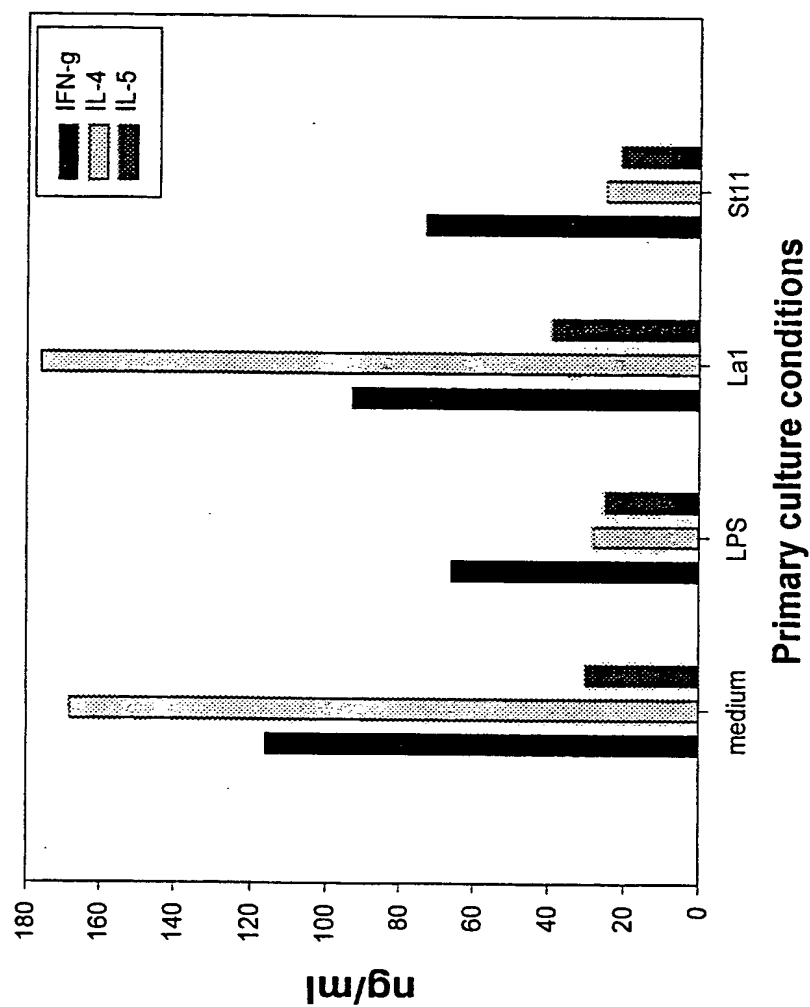


Fig. 5

Applicant's or agent's
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801 WO

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INTERNATIONAL SEARCH REPORT

Original Application No

PCT/EP 00/01797

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/74 C12N1/20 A23L1/29 A23C9/152 //(C12N1/20, C12R1:225)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 577 903 A (NESTLE SA) 12 January 1994 (1994-01-12) cited in the application the whole document	1,6-11
X	WO 98 06411 A (DICOFARM SPA ; GUANDALINI STEFANO (IT)) 19 February 1998 (1998-02-19) the whole document	1-11
X	US 5 837 238 A (MOLLSTAM BO ET AL) 17 November 1998 (1998-11-17) the whole document	1,2,6-11
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☒ Further documents are listed in the continuation of box C.

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Date of the actual completion of the international search

5 June 2000

Date of mailing of the international search report

13/06/2000

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International Application No.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MIETTINEN, MINJA (1) ET AL: "Lactobacilli and streptococci induce interleukin-12 (IL-12), IL-18, and gamma interferon production in human peripheral blood mononuclear cells."</p> <p>INFECTION AND IMMUNITY, (DEC., 1998) VOL. 66, NO. 12, PP. 6058-6062., XP002121805</p> <p>the whole document</p>	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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